

Abstract of the Disclosure

Transmitting Facility and Receiving Facility for a Multipoint-to-Point Synchronous CDMA Network

The object of the invention is to provide an acquisition method for a multipoint-to-point CDMA network (NET) that minimizes the influence of the acquisition procedure on the information transmission. The acquisition signals are encoded in a specific acquisition code that differs from the CDMA communication code of the information signals. In addition, the acquisition signals are transmitted with an amplitude smaller than that of the information signals. At the receiving end, the acquisition signals are detected by correlation (11) and subsequent accumulation (12). This method maximizes the transmission capacity of the information signals. In addition, the acquisition time is reduced since adaptive contention-resolving techniques can be employed taking account of the estimated number of colliding terminals (2, 3, 4, 5).

(Single figure)